

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C12N 15/31, C07K 14/35, C12N 15/70, C07K 16/12, C12Q 1/68, G01N 33/569, 33/68, A61K 39/04, 48/00	A2	(11) International Publication Number: WO 97/23624 (43) International Publication Date: 3 July 1997 (03.07.97)
(21) International Application Number: PCT/GB96/03221 (22) International Filing Date: 23 December 1996 (23.12.96) (30) Priority Data: ✓ 9526178.0 21 December 1995 (21.12.95) GB (71) Applicant (for all designated States except US): ST. GEORGE'S HOSPITAL MEDICAL SCHOOL [GB/GB]; Cranmer Terrace, London SW17 0RE (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): HERMON-TAYLOR, John [GB/GB]; St. George's Hospital Medical School, Dept. of Surgery, Cranmer Terrace, London SW17 0RE (GB). DO-RAN, Tim [AU/AU]; 1/8 Oxford Street, Whillington, VIC 3219 (AU). MILLAR, Douglas [GB/AU]; Csiro, Division of Biomolecular Engineering, P.O. Box 184, North Ryde, NSW 2113 (AU). TIZARD, Mark [GB/GB]; St. George's Hospital Medical School, Dept. of Surgery, Cranmer Terrace, London SW17 0RE (GB). LOUGHLIN, Mark [GB/GB]; St. George's Hospital Medical School, Dept. of Surgery, Cranmer Terrace, London SW17 0RE (GB). SUMAR, Nazira [GB/GB]; St. George's Hospital Medical School, Dept. of Surgery, Cranmer Terrace, London SW17 0RE (GB).	FORD, John [GB/GB]; St. George's Hospital Medical School, Dept. of Surgery, Cranmer Terrace, London SW17 0RE (GB). (74) Agents: GOLDIN, Douglas, Michael et al.; J.A. Kemp & Co., 14 South Square, Gray's Inn, London WC1R 5LX (GB). (81) Designated States: AU, CA, JP, NZ, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>Without international search report and to be republished upon receipt of that report.</i>	
(54) Title: NOVEL POLYNUCLEOTIDES AND POLYPEPTIDES IN PATHOGENIC MYCOBACTERIA AND THEIR USE AS DIAGNOSTICS, VACCINES AND TARGETS FOR CHEMOTHERAPY ✓		
(57) Abstract <p>The invention provides a nucleotide sequence representing a pathogenicity island found in species of pathogenic mycobacteria. The islands are shown as SEQ ID NOs: 3 and 4 and comprises several open reading frames encoding polypeptides. These polypeptides and their use in diagnosis and therapy form a further aspect of the invention.</p>		